

Jan. 1874.

Le Verrier's Tables of Jupiter.

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Note on the Position of the Small Stars near ϵ Lyrae.

By J. M. Wilson, Esq.

The following positions were obtained in July 1872 :

	°
C D	142°0
A C	173
A B	17°1
A E	134°7
A F	180°5
A G	167°5
C E	36°6
C F	338°4
C G	1°2
E F	248°9
E G	268°5
F G	39°2

On laying these out, the diagram accompanying this Note is obtained. The position of G is not accurately obtained from them, as the lines do not truly intersect in one point. The greatest error possible in its position is 2". The faint stars would not bear any illumination of the field, and the measures were taken with a parallel-wire micrometer.

Temple Observatory, Rugby,
1874, January 15.

The diagram forwarded by Mr. Wilson gives the relative positions of the stars very nearly the same as in that sketched by Mr. Prince, inserted on p. 86 in the December number of the *Monthly Notices*.—[EDITOR.]

Le Verrier's Tables of Jupiter.

In the *Comptes Rendus* for January 12, 1874, M. Le Verrier announces that he has completed his new Tables of *Jupiter* as a supplement to his researches on the theory of the motion of that planet.

"The theory on which the Tables are founded has been developed in four papers laid successively before the Academy at the meetings of May 20, August 26, November 11, 1872, and of March 17, 1873.

“The observations with which it has been compared are those made at Greenwich between 1750 and 1830, and between 1836 and 1869, and at Paris between 1837 and 1867.

“The theory is in complete accordance with the observations.

“Hence there exists no influence other than those already known to us, which appears to have any sensible effect on the motion of *Jupiter*. The influence of the minor planets is quite insensible.”

New Elements of Minor Planet (110) Lydia.

The following new elements of this planet have been calculated by Dr. H. Oppenheim:—

Epoch 1874, February 9.5, Berlin M. T.

	°	'	"	
L	136	18	48.7	
M	164	33	24.9	
π	331	45	23.8	} Mean Equinox, 1870.0.
Ω	57	8	23.7	
i	5	59	16.2	
ϕ	4	32	46.3	
μ			781.84272	
log. a			0.437925	

With these elements Dr. Oppenheim has computed ephemerides on two hypotheses for the use of observers who may be inclined to search for the planet with an equatoreal. The computed magnitude is 11.5.